

* 4 1/2

SEQUENCE LISTING

<110> Draper, John

Kenton, Paul

Darby, Robert

Paul, Wyatt

<120> Inducible Promoters

<130> 0623.0960000/EKS/GLL

<140> US 09/719,002

<141> To be assigned

<150> PCT/GB99/01949

<151> 1999-06-21

<150> GB 9813345.7

<151> 1998-06-19

<160> 19

<170> PatentIn Ver. 2.1

<210> 1

<211> 475

<212> DNA

<213> Asparagus officinalis

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gagagaagca catgactaaa gtaattagct taatccccta aaactcaata caaacgagat 180
gacacatcca cagaaaaat tctaattagt ctttgcgtgt agaaatggaa aactgaatac 240
ctacattaat tacaactttt gcaaataaaa tataaagaaa gttctaacat gaagactagt 300
tctaacatga agactagtcc acgaactcgt accttattcc acaaaggctt agactttcca 360
caaatcgaga ttatccatg gactgatggaa caccatccaa attatcccta taaatacctg 420
cccattcccc tcctccagac tcataact caaaaacaac acacaaccaa tcattg 475

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<211> 771
<212> DNA
<213> *Asparagus officinalis*

<220>
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<222> (1)..(672)

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1 5 10 15

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  ctc ctg ccc ctc gcc tcc gcc gcc acc ttc acc acc gtc acc aac aaa tgc  96
  Leu Leu Pro Leu Ala Ser Ala Ala Thr Phe Thr Val Thr Asn Lys Cys
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acc tac acc gtc tgg gcc gct gca gtg ccg ggg ggc ggt cgc cgc ctc 144
Thr Tyr Thr Val Trp Ala Ala Ala Val Pro Gly Gly Arg Arg Leu
35 40 45

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gac ccc aac caa tcc tgg acc ctc acc gtc gcc ccc ggt acc acc acc ggt 192
Asp Pro Asn Gln Ser Trp Thr Leu Thr Val Ala Pro Gly Thr Thr Gly
50 55 60

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gcc cgc atc tgg ggc cga acc ggc tgc tcc ttc gac ccc tct ggc cac 240
Ala Arg Ile Trp Gly Arg Thr Gly Cys Ser Phe Asp Pro Ser Gly His
 65           70           75           80

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ggc cat tgc cag acc ggt gac tgc ggc ggt ctc ctt gcc tgc acc gcc 288
Gly His Cys Gln Thr Gly Asp Cys Gly Gly Leu Leu Ala Cys Thr Ala
85 90 95
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tac ggc tcc cct ccc gac acc ctc gca gaa ttc gcc ctg aac cag tac 336
Tyr Gly Ser Pro Pro Asp Thr Leu Ala Glu Phe Ala Leu Asn Gln Tyr
100 105 110

gcc ggc cag gac ttc tac gac atc tcc ctc gtc gac ggc ttc aac atc 384
Ala Gly Gln Asp Phe Tyr Asp Ile Ser Leu Val Asp Gly Phe Asn Ile
115 120 125

ccc atg gac ttc tcc ccg acg tcc gga aat tgc cac gac atc cgg tgc 432
 Pro Met Asp Phe Ser Pro Thr Ser Gly Asn Cys His Asp Ile Arg Cys
 130 135 140

acc gcg gac atc aac ggt cag tgc ccg gcg gag ctg aag gca ccc ggg 480
 Thr Ala Asp Ile Asn Gly Gln Cys Pro Ala Glu Leu Lys Ala Pro Gly
 145 150 155 160

ggg tgt aac aac ccg tgc acc gtg ttc aag acc aat gag tac tgc tgc 528
 Gly Cys Asn Asn Pro Cys Thr Val Phe Lys Thr Asn Glu Tyr Cys Cys
 165 170 175

act tcg gga ggc tgt ggg ccc acg gac tat tcc aag ttt ttc aag cag 576
 Thr Ser Gly Gly Cys Gly Pro Thr Asp Tyr Ser Lys Phe Phe Lys Gln
 180 185 190

agg tgc cct gat gcg tac agt tac ccc aag gat gac gct acc agc act 624
 Arg Cys Pro Asp Ala Tyr Ser Tyr Pro Lys Asp Asp Ala Thr Ser Thr
 195 200 205

ttt act tgt ccc agt ggg gct gat tac agg gtt gtg ttc tgc cct tga 672
 Phe Thr Cys Pro Ser Gly Ala Asp Tyr Arg Val Val Phe Cys Pro
 210 215 220

tcgagcttac tcagatgttg tgtgagcaat caaactatgg ttaatttgta cgtagctcat 732
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<210> 3
 <211> 223
 <212> PRT
 <213> Asparagus officinalis

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Leu Leu Pro Leu Ala Ser Ala Ala Thr Phe Thr Val Thr Asn Lys Cys
 20 25 30

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	50					55						60			
Ala	Arg	Ile	Trp	Gly	Arg	Thr	Gly	Cys	Ser	Phe	Asp	Pro	Ser	Gly	His
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Gly	His	Cys	Gln	Thr	Gly	Asp	Cys	Gly	Gly	Leu	Leu	Ala	Cys	Thr	Ala
	85								90				95		
Tyr	Gly	Ser	Pro	Pro	Asp	Thr	Leu	Ala	Glu	Phe	Ala	Leu	Asn	Gln	Tyr
	100						105						110		
Ala	Gly	Gln	Asp	Phe	Tyr	Asp	Ile	Ser	Leu	Val	Asp	Gly	Phe	Asn	Ile
	115						120					125			
Pro	Met	Asp	Phe	Ser	Pro	Thr	Ser	Gly	Asn	Cys	His	Asp	Ile	Arg	Cys
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145					150					155			160		
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	165						170					175			
Thr	Ser	Gly	Gly	Cys	Gly	Pro	Thr	Asp	Tyr	Ser	Lys	Phe	Phe	Lys	Gln
	180						185					190			
Arg	Cys	Pro	Asp	Ala	Tyr	Ser	Tyr	Pro	Lys	Asp	Asp	Ala	Thr	Ser	Thr
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Phe	Thr	Cys	Pro	Ser	Gly	Ala	Asp	Tyr	Arg	Val	Val	Phe	Cys	Pro	
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<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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30

<210> 5

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: E-8

<400> 5

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13

<210> 6

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: JA Box

<400> 6

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10

<210> 7

<211> 10

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: TCA

<400> 7

ttatctcctt 10

<210> 8
<211> 10
<212> DNA
<213> *Hordeum vulgare*

<400> 8
tcatcttctt 10

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 9
cgcggaattc ggtgttagtg catttgttgg 30

<210> 10
<211> 29
<212> DNA
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<223> Description of Artificial Sequence: Primer

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<210> 11
<211> 33
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<223> Description of Artificial Sequence: Primer

<400> 11

gggtaccaag cttcttattt cgacctgact ctc 33

<210> 12

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 12

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<210> 13

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 13

gcgaagcttc catgtcatga gagaaggcac 29

<210> 14

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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gcgaagcttt tggaaactga atacctaca

29

<210> 15
<211> 29
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29

<210> 16
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40

<210> 17
<211> 44
<212> DNA
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<400> 17
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<210> 18
<211> 44
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 18
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<210> 19
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 19
gaaagtctaa gcctcgaggg aataaggtac gagttcgtgg ac 42